

Claims:

1. An apparatus for drilling a wellbore comprising:
a drill string having a casing portion for lining the wellbore; and
a drilling assembly selectively connected to the drill string and having an earth removal member.
2. The apparatus of claim 1, further comprising a one-way cement valve located within the casing portion.
3. The apparatus of claim 2, wherein the one-way cement valve is disposed near the earth removal member.
4. The apparatus of claim 1, wherein the earth removal member is connected to a lower end of the drill string.
5. The apparatus of claim 1, wherein the earth removal member is a boring element.
6. An apparatus for drilling a wellbore comprising:
a drill string having a casing portion for lining the wellbore; and
a drilling assembly operatively connected to the drill string and having an earth removal member, a portion of the drilling assembly being selectively removable from the wellbore without removing the casing portion.
7. The apparatus of claim 6, wherein the earth removal member is connected to a lower end of the casing portion.
8. The apparatus of claim 6, wherein the earth removal member is a boring element.
9. The apparatus of claim 6, wherein the earth removal member is operatively connected to the casing portion.

10. The apparatus of claim 6, wherein the portion of the drilling assembly being selectively removable from the wellbore is the earth removal member.
11. The apparatus of claim 6, wherein the earth removal member is a drill bit.
12. The apparatus of claim 6, further comprising a one-way cement valve disposed within the casing portion.
13. The apparatus of claim 12, wherein the one-way cement valve is disposed near the earth removal member.
14. A method for lining a wellbore with a tubular comprising:
 - drilling the wellbore using a drill string, the drill string having a casing portion;
 - locating the casing portion within the wellbore;
 - placing a physically alterable bonding material in an annulus formed between the casing portion and the wellbore;
 - establishing a hydrostatic pressure condition in the wellbore; and
 - allowing the bonding material to physically alter under the hydrostatic pressure condition.
15. The method of claim 14, wherein placing the physically alterable bonding material in the annulus comprises flowing the material through an earth removal member connected to the drill string.
16. The method of claim 15, further comprising circulating drilling fluid through the earth removal member while locating the casing portion within the wellbore.
17. The method of claim 14, wherein the bonding material is allowed to physically alter by reducing fluid pressure within the drill string.
18. The method of claim 14, further comprising stabilizing the drill string while drilling the wellbore.

19. The method of claim 14, further comprising maintaining the casing portion in a substantially centralized position in relation to a diameter of the wellbore after locating the casing portion within the wellbore.
20. The method of claim 14, wherein the physically alterable bonding material is cement.
21. The method of claim 14, wherein drilling the wellbore using the drill string comprises drilling with an earth removal member operatively connected to the drill string.
22. The method of claim 21, wherein the earth removal member is connected to the casing portion.
23. The method of claim 22, wherein the earth removal member is connected to a lower end of the casing portion.
24. The method of claim 14, wherein the hydrostatic pressure condition is maintained by use of a one-way valve member.
25. An apparatus for drilling a wellbore comprising:
 - a drill string having a casing portion for lining the wellbore; and
 - a drilling assembly operatively connected to the drill string and having an earth removal member and a geophysical parameter sensing member.
26. The apparatus of claim 25, wherein a porosity of an earth formation is measured by the geophysical parameter sensing member.
27. The apparatus of claim 25, wherein electrical resistivity is measured by the geophysical parameter sensing member.
28. The apparatus of claim 25, wherein the geophysical parameter sensing member is disposed within the drill string.

29. The apparatus of claim 25, wherein the earth removal member is connected to a lower end of the drill string.

30. The apparatus of claim 25, wherein the geophysical parameter sensing member comprises a measuring-while-drilling tool.

31. The apparatus of claim 25, wherein the geophysical parameter sensing member comprises a logging-while-drilling tool.

32. A method for drilling and lining a wellbore comprising:
drilling the wellbore using a drill string, the drill string having an earth removal member operatively connected thereto and a casing portion for lining the wellbore;
selectively causing a drilling trajectory to change during the drilling; and
lining the wellbore with the casing portion.

33. The method of claim 32, wherein drilling the wellbore using a drill string comprises lowering the drill string into an earth formation.

34. The method of claim 33, wherein drilling the wellbore using a drill string further comprises rotating the earth removal member while lowering.

35. The method of claim 32, further comprising sensing a geophysical parameter while drilling the wellbore using the drill string.

36. The method of claim 35, wherein the geophysical parameter is the drilling trajectory.

37. The method of claim 32, further comprising stabilizing the drill string while drilling the wellbore using the drill string to maintain drilling trajectory.

38. The method of claim 32, wherein the earth removal member is connected to a lower end of the drill string.

39. The method of claim 32, wherein the earth removal member is a jet deflection bit.
40. The method of claim 32, wherein selectively causing the drilling trajectory to change is accomplished by measuring while drilling.
41. The method of claim 32, wherein selectively causing the drilling trajectory to change is accomplished by logging while drilling.
42. A method for drilling and lining a wellbore comprising:
drilling the wellbore using a drill string, the drill string having an earth removal member operatively connected thereto and a casing portion for lining the wellbore;
stabilizing the drill string while drilling the wellbore;
locating the casing portion within the wellbore; and
maintaining the casing portion in a substantially centralized position in relation to a diameter of the wellbore.
43. The method of claim 42, wherein stabilizing the drill string while drilling creates an annulus between the casing portion and the diameter of the wellbore which is substantially uniform in width circumferentially.
44. The method of claim 42, further comprising placing a physically alterable bonding material in an annulus between the diameter of the wellbore and the casing portion.
45. The method of claim 44, further comprising allowing the physically alterable bonding material to physically alter under an established hydrostatic pressure condition in the wellbore.
46. The method of claim 42, wherein stabilizing the drill string comprises stabilizing the casing portion while drilling the wellbore.